Message

Sent: 3/21/2016 4:11:31 PM
To: Andrew Langford-NOAA Federal [andrew.o.langford@noaa.gov]; Audra McClure - NOAA Affiliate [audra.mcclure@noaa.gov]
CC: Patrick Reddy [p Personal Matters / Ex. 6 ; Irina Petropavlovskikh - NOAA Affiliate [irina.petro@noaa.gov]; Brad Pierce - NOAA Federal [brad.pierce@noaa.gov]; Payton, Richard [Payton.Richard@epa.gov]; Gordon Pierce - CDPHE [gordon.pierce@state.co.us]; Landes - CDPHE, Scott [scott.landes@state.co.us]
Subject: RE: Stratospheric Intrusion on March 20

Hi All,

For ozone NAAQS planning we only need to do an exceptional events demonstration for regulatory monitors that affect the O3 attainment status. I expect that the data at the non-regulatory monitors will be very useful for EE demonstations for the regulatory monitors. In cases where we have high ozone at non-regulatory monitors - I think it would be useful to compile statistics on these events, and perhaps we should also think about whether public health advisories are neede for these events.

From: Andrew Langford-NOAA Federal [mailto:andrew.o.langford@noaa.gov]
Sent: Monday, March 21, 2016 10:07 AM
To: Audra McClure - NOAA Affiliate <audra.mcclure@noaa.gov>
Cc: Patrick Reddy <Personal Matters / Ex. 6 >; Irina Petropavlovskikh - NOAA Affiliate <irina.petro@noaa.gov>; Brad Pierce - NOAA Federal <brad.pierce@noaa.gov>; Tonnesen, Gail <Tonnesen.Gail@epa.gov>; Payton, Richard <Payton.Richard@epa.gov>; Gordon Pierce - CDPHE <gordon.pierce@state.co.us>; Landes - CDPHE, Scott <scott.landes@state.co.us>
Subject: Re: Stratospheric Intrusion on March 20

Didn't show up at Rocky Mountain NP either, but does appear in the GJT sounding.
-A

On Mar 21, 2016, at 8:49, Audra McClure - NOAA Affiliate <audra.mcclure@noaa.gov> wrote:

High ozone was detected at Niwot Ridge C1 but not down to the Erie BAO location.
See plot below from our stations. NOTE: this is raw data
<image.png>
Audra

On Mon, Mar 21, 2016 at 8:12 AM, Patrick Reddy <Personal Matters / Ex. 6 > wrote:

Hi all,

It does look like there was an intrusion on the 20th. The following IDEA stratospheric intrusion forecast product from March 19 captures this event and shows a narrow streamer of high O3 aloft moving through Wyoming on its way to Colorado.

http://cimss.ssec.wisc.edu/idea-i/USozone/index.php?action=view_animation&params=sensor,node,date&param_values=CrIS,Descend,20160319

Scott Landes at CDPHE has also completed an analysis that shows high IPV and low RH aloft. The CDPHE MInes Peak site had O3 at about 65 to 70 ppb. Gothic showed no signs of an intrusion, and impacts were minimal on the plains.

Pat

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